

INTERNATIONAL SEARCH REPORT

PCT/IN2004/000318

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D06B3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D06B D01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 917 118 A (S.H. KOSANN; N. WRIGHT) 29 June 1999 (1999-06-29) column 3, line 7 - column 4, line 11	1-5, 10-13,15
X	GB 829 835 A (SMITH & NEPHEW TEXTILES LTD.) 9 March 1960 (1960-03-09) page 1, line 67 - page 2, line 11 page 2, line 23 - line 29	10,12-14
A	DE 30 45 647 A (E. GODAU) 22 July 1982 (1982-07-22) page 37, line 14 - page 39, line 8 page 42, line 1 - line 23	1,10,12, 13,15-20
Y	US 3 835 490 A (H. FLEISSNER) 17 September 1974 (1974-09-17) claims 1,7	17
A	----- -/--	18,19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

Date of the actual completion of the international search

17 August 2005

Date of mailing of the international search report

9. 09. 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CH 612 557 A (QUIKOTON AG) 15 August 1979 (1979-08-15) page 3, column 1, line 58 - line 62 page 5, column 2, line 37 - line 61	17
A	-----	18,19
X	US 3 787 182 A (G. EIGENMANN ET AL) 22 January 1974 (1974-01-22) column 1, line 11 - line 60	20
X	US 4 248 592 A (J. SALVANS ET EL) 3 February 1981 (1981-02-03) column 2, line 31 - line 55	21
X	US 3 107 397 A (E.W. HILT ET AL) 22 October 1963 (1963-10-22) column 1, line 10 - line 25	21
X	US 1 717 633 A (D. STEVENS) 18 June 1929 (1929-06-18) page 1, line 1 - line 26 -----	21

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/IN2004 /000318

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

Apparatus and method for dyeing fibres using a supporting
system for carrying the fibres

2. claims: 17-20

Method for dyeing fibre in the form of a roving or of a tow
of filaments

3. claim: 21

Method for preparing yarn

INTERNATIONAL SEARCH REPORT

on patent family members

PCT/IN2004/000318

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5917118	A	29-06-1999	NONE	
GB 829835	A	09-03-1960	NONE	
DE 3045647	A	22-07-1982	DE 3045647 A1	22-07-1982
			AU 540615 B2	29-11-1984
			BR 8008577 A	21-07-1981
			CA 1145506 A1	03-05-1983
			CH 668999 A5	15-02-1989
			CH 665928 A	30-06-1988
			DD 155439 A5	09-06-1982
			ES 8200418 A1	16-01-1982
			FR 2476157 A1	21-08-1981
			GB 2066706 A ,B	15-07-1981
			GR 70755 A1	14-03-1983
			IE 51735 B1	18-03-1987
			IT 1129470 B	04-06-1986
			MX 156715 A	28-09-1988
			PT 72252 A ,B	01-01-1981
			SU 1477251 A3	30-04-1989
			US 4416124 A	22-11-1983
			US 4501039 A	26-02-1985
			YU 320180 A1	29-02-1984
US 3835490	A	17-09-1974	DE 1909646 A1	10-09-1970
			DE 2004390 A1	05-08-1971
			US 3943734 A	16-03-1976
			BE 746461 A4	25-08-1970
			FR 2033400 A6	04-12-1970
			GB 1284217 A	02-08-1972
			IT 989557 B	10-06-1975
			JP 55044183 B	11-11-1980
CH 612557	A	15-08-1979	NONE	
US 3787182	A	22-01-1974	CH 522047 A	30-04-1972
			DE 2063179 A1	15-07-1971
			ES 386713 A1	01-04-1973
			FR 2072020 A1	24-09-1971
			GB 1335997 A	31-10-1973
			JP 50010431 B	21-04-1975
US 4248592	A	03-02-1981	NONE	
US 3107397	A	22-10-1963	NONE	
US 1717633	A	18-06-1929	NONE	